

In the Claims:

Please substitute the following claim 7 for the pending claim 7:

C1

7. (Once amended) A transgenic non-human animal, all of whose germ and somatic cells comprise the DNA molecule of SEQ ID NO:1 or a DNA molecule which is at least 90% homologous thereto, wherein said DNA molecule is expressed in one or more cells of said transgenic animal, and wherein said DNA molecule codes for a protein that has an activity of AD7c-NTP when expressed in neuronal cells.

Please substitute the following claim 8 for the pending claim 8:

C3

8. (Once amended) The transgenic non-human animal of claim 7, wherein the DNA molecule contained in each germ and somatic cell has SEQ ID NO:1.

Please substitute the following claim 15 for the pending claim 15:

C4

15. (Once amended) The method of claim 14, wherein the DNA construct contained by said animal has SEQ ID NO:1.

Please add the following claims:

C5

35. (New) The transgenic non-human animal of claim 7, wherein said transgenic animal is selected from the group consisting of non-human primate, mouse, sheep, pig, cattle, goat, guinea pig and rat.

36. (New) The transgenic non-human animal of claim 7, wherein said activity
of AD7c-NTP possessed by said DNA molecule when expressed in neuronal cells is selected
from the group consisting of neuritic sprouting, nerve cell death, nerve cell degeneration,
neurofibrillary tangles and irregular swollen neurites.